

FORM PTO-1390
(REV. 7-2004)

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

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Express Mail No.: EV 452 774 364 US

ATTORNEY'S DOCKET NUMBER
11281-065-999

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (if known, see 37CFR 1.5)

To be assigned

10/523141

INTERNATIONAL APPLICATION NO.
PCT/KR2003/001403

INTERNATIONAL FILING DATE
July 16, 2003

PRIORITY DATE CLAIMED
August 16, 2002

TITLE OF INVENTION
APPARATUS FOR PRODUCING NANOFIBER UTILIZING ELECTOSPINNING AND NOZZLE PACK FOR THE APPARATUS

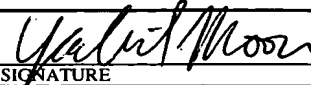
APPLICANT(S) FOR DO/EO/US
Suk-Won CHUN and Jong-Su PARK

Applicant herewith submits to the United States Designated/ Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The U.S. has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ Declaration of the Inventor and Power of Attorney(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 20. below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute amendment.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter 2 and 37 CFR 1.821- 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: PCT Publication No. WO 2004/016839; PCT International Search Report; Notification of Transmittal of International Preliminary Examination Report; PCT International Preliminary Examination Report; PCT Notification Concerning Submission or Transmittal of Priority Document; and Request

US APPLICATION NO. (If known, see 37 CFR 1.21) To be assigned 10/523141		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
21. The following fees are submitted:				CALCULATIONS PTO USE ONLY	
<input checked="" type="checkbox"/> Basic national fee \$300.00 <input checked="" type="checkbox"/> Examination fee..... \$200.00 <input checked="" type="checkbox"/> Search fee \$500.00 ENTER APPROPRIATE BASIC FEE AMOUNT = \$1000.00					
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE X		
Total Claims	34 - 20	14	\$50.00	700.00	
Independent Claims	2 - 3	0	\$200.00	=	0.00
<input checked="" type="checkbox"/> MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ 360.00	-	360.00
TOTAL OF ABOVE CALCULATIONS=				=	\$ 2060.00
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				-	\$ 1,030.00
SUBTOTAL =				\$	1,030.00
Processing fee of \$130.00 for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					
TOTAL NATIONAL FEE				=	\$
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 1 x \$40.00 per property				\$	0.00
TOTAL FEES ENCLOSED				=	\$ 1,030.00
				Amount to be refunded:	
				charged:	1,030.00
a. <input type="checkbox"/> A check in the amount of \$0.00 to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge Deposit Account No. 50-3013 to cover the above fees. A copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-3013. A copy of this sheet is enclosed. Note: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status. 22. <input type="checkbox"/> Other instructions 23. <input checked="" type="checkbox"/> All correspondence for this application should be mailed to JONES DAY 20583 24. <input checked="" type="checkbox"/> All telephone inquiries should be made to Yeah-Sil Moon or Michael Fainberg.					
For: Brian M. Rothery By: Yeah-Sil Moon NAME		 SIGNATURE		35,340 52,042 REG. NO.	
				January 31, 2005 DATE	